



Department of Energy

Washington, DC 20585

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MEMORANDUM FOR DISTRIBUTION

FROM:


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ACTING CHIEF FINANCIAL OFFICER

SUBJECT:

Third Quarter FY 2006 Consolidated Quarterly
Performance Report

Attached is the Consolidated Quarterly Performance Report (CQPR) for the third quarter of FY 2006.

The CQPR contains performance summaries for each of the Department's Program and Administrative Offices, and a summary of Department's overall performance. The Executive "Quick Look" summary provides a one-page synopsis of performance on Program and Project Assessment, Financial Performance, President's Management Agenda (PMA) initiatives, Audit Recommendation Statistics and Small Business Awards. Detailed information on Joule performance data and PMA initiatives is contained in the report's appendices.

For the third quarter, 70 percent of the Department's program goals and 89 percent of its annual targets are on-track for completion (i.e., rated *green*) by the end of FY 2006. Eleven percent of the annual targets are rated *yellow* or *red* and are spread throughout the Department's Offices and Administrations. All organizations should examine any "at risk" areas to resolve potential issues that might have a derogatory effect on end-of-year results.

As we move toward the end of FY 2006, please be aware of the upcoming Joule year-end reporting deadlines. Meeting these deadlines is critical to delivering the Department's Performance and Accountability Report (PAR) to Congress by the November 15, 2006 due date. All year-end data must be received by Wednesday, October 11, 2006. Third quarter data was incorporated in the June 30, 2006, PAR and is currently being reviewed by our auditors. Management can help the audit process by ensuring points-of-contact have been clearly identified and are available to answer the auditors' questions.

If you have any questions, please contact Jay Hoffman, Director, Program Analysis and Evaluation, at (202) 586-1911.

Attachment



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The Department of Energy

Consolidated Quarterly Performance Report



Third Quarter FY 2006

Quick Look - Consolidated Quarterly Report
Third Quarter, FY 2006

Organization	Joule	Project Assessment	Presidential Management Initiatives							Audit Recom. Status	Small Business	Program Mgmt. Assessment
			BPI	Competitive Sourcing	Human Capital	Improving Financial Perf.	E-Gov	RDIC	Real Property			
DOE	G	N/A	G	Y	G	R	Y	N/A	Y	G	N/A	N/A
Energy, Science and Environment												
EE	G	N/A	G	N/A	G	G	G	N/A	G	G	G	G
EIA	G	N/A	G	N/A	G	G	G	N/A	N/A	N/A	G	N/A
EM	G	N/A	Y	N/A	G	G	G	N/A	Y	G	G	N/A
FE	G	N/A	G	N/A	G	G	G	N/A	G	G	G	G
LM	G	N/A	N/A	N/A	G	G	G	N/A	G	N/A	G	N/A
NE	G	N/A	G	N/A	G	G	G	N/A	Y	G	G	G
OE	G	N/A	G	N/A	G	G	G	N/A	N/A	G	G	G
RW	G	N/A	Y	N/A	G	G	G	N/A	Y	G	G	N/A
SC	G	N/A	G	N/A	G	G	G	N/A	Y	G	R	G
National Nuclear Security Administration												
NNSA	G	N/A	G	N/A	G	G	Y	N/A	Y	G	G	G
Corporate Staff Offices												
CF	G	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
CI	G	N/A	N/A	N/A	G	G	G	N/A	N/A	N/A	G	N/A
CN	N/A	N/A	N/A	N/A	G	G	G	N/A	N/A	G	N/A	N/A
ED	G	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
EH	G	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
GC	R	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
HG	G	N/A	N/A	N/A	G	N/A	G	N/A	N/A	N/A	G	N/A
HR	R	N/A	N/A	N/A	G	G	G	N/A	N/A	N/A	G	N/A
IG	R	N/A	N/A	N/A	G	G	G	N/A	N/A	N/A	G	N/A
IM	R	N/A	N/A	N/A	G	G	R	N/A	N/A	G	G	N/A
IN	N/A	N/A	N/A	N/A	G	G	N/A	N/A	N/A	G	N/A	N/A
MA	G	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
PA	G	N/A	N/A	N/A	G	N/A	G	N/A	N/A	N/A	G	N/A
PI	G	N/A	N/A	N/A	G	G	G	N/A	N/A	N/A	G	N/A
SSA	G	N/A	N/A	N/A	G	G	G	N/A	N/A	G	G	N/A
Power Marketing Administrations												
BPA	G	N/A	G	N/A	G	G	G	N/A	N/A	G	N/A	N/A
SEPA	Y	N/A	G	N/A	G	G	G	N/A	N/A	N/A	N/A	N/A
SWPA	Y	N/A	G	N/A	G	G	G	N/A	N/A	N/A	G	N/A
WAPA	G	N/A	G	N/A	G	G	G	N/A	N/A	N/A	G	N/A

A Department level summary rating for Project Management is not assigned. The status ratings for PMA initiatives at the Department level are assigned by OMB. The rating for RDIC is a Government-wide rating, however, one was not submitted for third quarter. Ratings for individual offices and organizations are assigned by initiative owners within the Department via internal scorecards. For this quarter, updates were not required for Competitive Sourcing.

Joule Performance Measures Third Quarter, FY 2006		
Office/Admin.	Rating	Overall Index
DOE	Green	97.7%
Energy, Science, and Environment		
EE	Green	98.1%
EIA	Green	100%
EM	Green	93.9%
FE	Green	99.0%
LM	Green	100%
NE	Green	98.2%
OE	Green	100%
RW	Green	100%
SC	Green	93.9%
National Nuclear Security Administration		
NNSA	Green	99.4%
Corporate Staff Offices		
CF	Green	100%
CI	Green	100%
ED	Green	100%
EH	Green	100%
GC	Red	0%
HG	Green	100%
HR	Red	66.7%
IG	Red	66.7%
IM	Red	66.7%
MA	Green	100%
PA	Green	100%
PI	Green	100%
SSA	Green	100%
Power Marketing Administrations		
BPA	Green	100%
SEPA	Yellow	84.4%
SWPA	Yellow	97.7%
WAPA	Green	100%

GREEN - 90-100% Annual Targets On Track

YELLOW - 80 - 89% Annual Targets On Track

RED - Less than 80% Annual Targets On Track

Analytical Summary

Performance percentages associated with the Department's overall color rating is determined by the number of Programs that achieve a 90% or better summary rating at the end of each quarter. The color rating of program goals are determined by the number of annual targets that achieved 100% completion by the end of each quarter. The ratings for the Corporate Staff Offices are not included in the Department's overall status rating in Joule. The following Corporate Staff Offices have received red ratings due to missed milestones in previous quarters: The Office of General Counsel has completed 0 of 3 milestones; the Office of Human Capital Management has two targets and for one of them they have completed 2 of 3 milestones; the Office of the Inspector General has completed 2 of 3 milestones; and the Office of the Chief Information Officer has completed 1 of 3 milestones. A summary of performance shortfalls and actions needed to get back on track for yellow and red rated Programs are included in Appendix A.

Project Assessment Summary - Third Quarter, FY 2006						
Organization	Number of Projects Assessed	Green	Yellow	Red	% of Projects with Green Status	% of Dollar Values with Green Status
DOE (excludes EM - Operating Projects)	54	45	2	7	83%	55%
Energy, Science, and Environment						
EE	1	1	0	0	100%	100%
EM	3	2	0	1	67%	7%
EM (Operating Projects w/ baselines validated)	20	20	0	0	100%	100%
EM (Operating Projects w/o baselines validated)	42	38	2	2	90%	64%
FE	2	2	0	0	100%	100%
SC	15	13	2	0	87%	65%
National Nuclear Security Administration						
NNSA	33	27	0	6	82%	93%

The DOE target is that 90% of projects have "Green" status both by number and dollar value. EM Operating Projects are not counted in the overall Departmental total. Performance of IT projects are handled by the Office of the Chief Information Officer and is not included in this status report. The information in this report has been taken from the Office of Engineering and Construction Management's April 2006, Project Status Final Report.

Environmental Management

● Waste Treatment and Immobilization Plant - ORP/Bechtel National Inc.

Project will not be completed within current cost and schedule baseline. EV data only reflects performance starting with the October 2005 (8 months) based on the Interim Performance Baseline (IPB) developed as part of the December 2005 EAC. BNI submitted the revised EAC based on reduced FY 06 funding on May 31 and the USACE is expected to complete their review of the EAC by August 28. EM is preparing the Performance Baseline change request, which will require S-2 level decision.

Environmental Management (Operating Projects)

● Radioactive Liquid Tank Waste Stabilization and Disposition - ORP

Although there are marginal improvements in the near term cost performance, the project has accumulated significant cumulative cost and schedule variances due to technical issues associated with vapors resulting in poor productivity of tank operations, funding profile that does not support the approved baseline, and waste retrieval technical performance. The project team is currently preparing a baseline change to cover increased costs and is taking various actions to mitigate further impacts of vapor issues.

- **Solid Waste Stabilization & Disposition - LANL Legacy - Los Alamos National Security, LLC**

LANL's performance on waste management has been adversely impacted by problems associated with authorization basis issues and safety shutdowns causing less effective removal of prohibited items from the waste. EM and NNSA developed and submitted an FY06 recovery plan for the legacy waste disposition project. However, recovery is dependent on obtaining a revised, validated and approved performance baseline. On June 1, 2006, NNSA transitioned to a new M&O contractor who is incentivized to improve legacy waste disposition performance. NNSA is submitting a new LANL performance baseline to OECM for validation.

- **SNF Stabilization and Disposition - Richland/Fluor Hanford, Inc.**

Steady progress is being made in KE bulk sludge containerization with expected completion in September. The KE-KW Sludge Transfer System Integrated Acceptance Testing was successfully completed and will be turned over to operations for training in July. KE to KW sludge transfer operations will occur following the successful completion of the DOE ORR. Positive performance trend against the revised project baseline currently under review by OECM is expected to continue.

- **NM Stabilization and Disposition - PFP - Richland/Fluor Hanford, Inc.**

Completion of D&D at PFP has been delayed and the TPC has increased due to (1) the delay in the de-inventory of Special Nuclear Materials from Hanford and (2) reduction of funding in this project to cover the increased cost in PBS -12 (K Basin Closure). These changes have been incorporated in the performance baseline. An External Independent Review of this baseline was performed in June 2006. OECM's validation of the Performance Baseline is pending.

Office of Science

- **Linac Coherent Light Source - SLAC/Stanford University**

Some of the initial civil construction bids are coming in higher than baseline estimates. The project is pursuing mitigation strategies with its Construction Management contractor.

- **National Compact Stellarator Experiment - PPPL/Princeton University**

There is some concern with the project cost performance, and project is improving the risk mitigation strategies.

National Nuclear Security Administration

- **Highly Enriched Uranium Materials Facility - Oak Ridge Y-12**

An Independent Cost Review team chartered by NA-10 identified several significant improvements needed to the project's Work Breakdown Structure, schedule, cost, and other areas. The project will submit a revised BCP to address approximately \$150M of new costs, with over half of the new costs attributable to mid-construction design changes to accommodate 2004 changes to the DBT. Project completion is forecast to be in mid to late FY 2009. The OECM External Independent Review will be conducted in October after the NA-10 recommendations have been implemented. Revised management and quality assurance procedures are in place.

- **Waste Management Mitigation - Los Alamos National Security, LLC**

Foundation work is complete, all six tanks are installed, and work in the mezzanine area of the facility is underway. Contracts are in place to complete remaining structural and mechanical system work. The project's Transition to Operations planning documents are in final signature concurrence, and the Documented Safety Analysis is in final review. The reprogramming request was forwarded to Congress on June 7, 2006, however current project funding will be depleted at the end of June. A baseline change proposal to extend the project schedule by 25 months and increase the project by \$6.2 million is pending approval.

- **Part-Site-Wide Alarm System Replacement - Los Alamos National Security, LLC**

Although the project's current performance is within the acceptable range, the project completion date (CD-4) will slip by more than 6 months. The project has finished installation in all but two facilities. However, there are open safety questions on the installation in these facilities. The Los Alamos Site Office is proposing that LANL carry this as a schedule variance, rather than re-baselining the project through baseline change.

- **Building 12-64 Production Bays Upgrade - Pantex Plant**

Mission need has been cancelled, June 26, 2006 due to changes in NNSA workload requirements. A Baseline Change will be processed to close out the project. Will be removed from next month's report.

- **SNM Component Requalification Facility - Pantex Plant**

Progress has slipped on the SNM Component Requalification Facility and the project is now expected to be completed in January 2007 (a nine month slip). Two of the ten workstations supporting the Stockpile Life Extension Program First Production Unit requirements cannot be started up on time and are causing the delay in project completion.

- **Building 12-44 Production Cells Upgrade - Pantex Plant**

The contractor has made some progress on the current scope of the work. However, construction for Phase I of the contract continues to track behind schedule and the project is not expected to meet the approved May 2007 completion date. A reprogramming request was submitted to the authorizing committees on July 13, 2006 where action is now pending. The Senate Energy and Water Appropriations Subcommittee has concurred and action by the House Energy and Water Appropriations, and Related Agencies Subcommittee is expected soon.

Audit Recommendation Status - Third Quarter, FY 2006						
Organization	Rating	Percent On-Track	Active Audits	Overdue Recom.	Missing Est. Completion Date	On Track
DOE	Green	100%	90	0/282	0/282	282 /282
Energy, Science and Environment						
EE	Green	100%	3	0/11	0/11	11/11
EM	Green	100%	21	0/45	0/45	45/ 45
FE	Green	100%	1	0/4	0/4	4/4
NE	Green	100%	4	0/16	0/16	16/ 16
OE	Green	100%	2	0/6	0/6	6/6
RW	Green	100%	6	0/14	0/14	14/ 14
SC	Green	100%	7	0/24	0/24	24/ 24
National Nuclear Security Administration						
NNSA	Green	100%	37	0/79	0/79	79/ 79
Corporate Staff Offices						
CF	Green	100%	4	0/43	0/43	43/ 43
CN	Green	100%	1	0/1	0/1	1/1
ED	Green	100%	5	0/8	0/8	8/8
EH	Green	100%	1	0/5	0/5	5/5
GC	Green	100%	1	0/1	0/1	1/1
IM	Green	100%	6	0/11	0/11	11/11
IN	Green	100%	2	0/3	0/3	3/3
MA	Green	100%	4	0/7	0/7	7/7
SSA	Green	100%	2	0/2	0/2	2/2
Power Marketing Administration's						
BPA	Green	100%	2	0/2	0/2	2/2

Recommendations Closed by Scheduled Milestones: GREEN - 90-100%; YELLOW - 70-89%; RED - Less than 70%

Analytical Summary

All organizations are on-track for resolving audit recommendations.

Small Business Contracting Awards - Third Quarter, FY 2006				
Organization	Total Obligations/ Procurement Base	SB Obligations	SB % of Total Obligations	Cumulative SB Goal% (Proposed)
DOE	\$ 17,501,235,872.00	\$ 557,760,087.00	3.19%	1.95%
Energy, Science and Environment				
EE	\$ 425,380,233.00	\$ 26,242,926.00	6.17%	2.95%
EI	\$ 24,949,180.00	\$ 12,691,401.00	50.87%	28.51%
EM	\$ 5,129,998,044.00	\$ 198,882,033.00	3.88%	0.94%
FE	\$ 254,103,182.00	\$ 83,495,621.00	32.86%	22.55%
LM	\$ 23,954,681.00	\$ 22,662,063.00	94.60%	54.72%
NE	\$ 364,266,177.00	\$ 5,422,642.00	1.49%	0.99%
OE	\$ 79,463,445.00	\$ 1,822,613.00	2.29%	0.05%
RW	\$ 296,560,593.00	\$ 13,637,317.00	4.60%	2.21%
SC	\$ 2,497,102,540.00	\$ 16,585,516.00	0.66%	1.04%
National Nuclear Security Administration				
NNSA	\$ 8,212,846,202.00	\$ 84,874,375.00	1.03%	0.92%
Corporate Staff Offices				
CF-DIR	\$ 3,128,038.00	\$ 2,163,671.00	69.17%	49.85%
CF-WCF	\$ 23,827,818.00	\$ 19,184,374.00	80.51%	54.79%
CI	\$ 95,141.00	\$ 68,935.00	72.46%	31.03%
ED	\$ 954,715.00	\$ 947,455.00	99.24%	97.83%
EH	\$ 25,266,048.00	\$ 12,446,715.00	49.26%	20.26%
GC	\$ 828,023.00	\$ 497,239.00	60.05%	3.90%
HG	\$ 220,001.00	\$ 192,387.00	87.45%	38.73%
HR	\$ 455,575.00	\$ 421,575.00	92.54%	34.87%
IG	\$ 5,349,953.00	\$ 92,535.00	1.73%	0.00%
IM	\$ 49,400,348.00	\$ 28,237,923.00	57.16%	20.81%
MA	\$ 6,970,425.00	\$ 4,741,935.00	68.03%	53.46%
PA	\$ 116,553.00	\$ 59,721.00	51.24%	20.51%
PI	\$ 887,418.00	\$ 456,144.00	51.40%	5.50%
SSA	\$ 75,107,029.00	\$ 21,788,792.00	29.01%	7.54%
Power Marketing Administrations				
SWPA	\$ 6,967,401.00	\$ 3,815,227.00	54.76%	19.27%
WAPA	\$ 59,291,768.00	\$ 46,216,577.00	77.95%	31.29%

Analytical Summary

The annual projected procurement base for the year was \$19 billion and the total dollars actually obligated as reported in the third quarter report are \$16.2 billion.

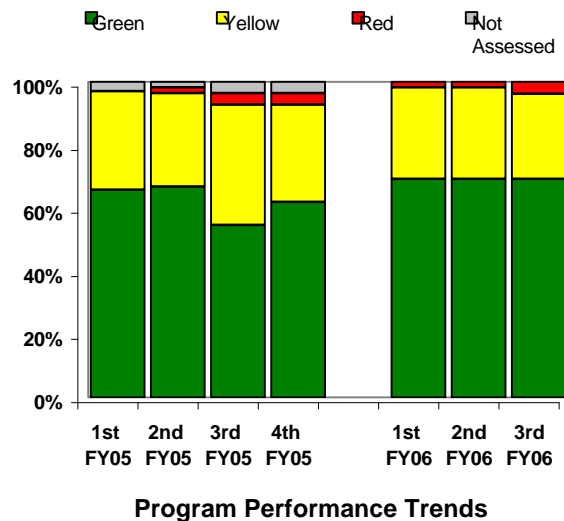
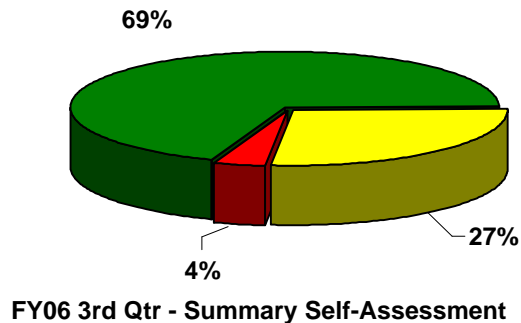
The reported obligation of the \$557.8 million for small business through the third quarter represents 3.46 percent by the program offices. This percent exceeds the program office projected goal of 1.95 percent through the third quarter. The balance of .70 percent (using the 4.16 annual goal proposed to SBA) must be obligated during the fourth quarter in order for DOE to achieve its annual small business goal.

The proposed SBA goal of 4.34 percent has been approved.

ANALYTICAL SUMMARY:

The Program Offices base their self-assessment ratings on both detailed performance metrics being tracked monthly and the assessments provided by the program managers. All reporting Program Offices have implemented the Program Management guidance issued on 30 June 2005, which standardizes the Program Offices' quarterly self-assessment reporting.

The Department reported on 52 programs with 36 (69 %) being self-assessed as "On Track" (Green). Of the remaining 16 programs, 14 (27 %) were reported as Yellow with all issues expected to be resolved in FY 2006. Similarly to prior quarter reporting, the Office of Science reported most programs as either Yellow or Red due to critical personnel issues. SC continued to report the Fusion Energy program as Red due to key senior personnel vacancies. NE reported the other Red program (Design Basis Threat) due to both delays and cost overruns. Overall, DOE programs were assessed as performing slightly higher than in FY 2005.



NNSA Programs - NNSA reported 17 of 22 programs (77 %) as "On Track" (Green). The remaining 5 programs (23 %) were assessed as Yellow for overall performance. In general, the reasons for the Yellow ratings were mixed between cost and schedule issues. For example, in the Pit Manufacturing and Certification campaign, schedule delays in the Unicorn Subcritical Experiment (SCE) have exerted cost pressure on the campaign and have caused cascading effects to other dependent activities.

Science Programs - Two of the six (33%) science programs were reported as "On Track" (Green). Similar to previous quarters, three of the six programs (50 %) were reported as Yellow, citing issues that threaten their progress. The main issue cited was key position vacancies and impending retirements. The Fusion Energy Science program was again rated as "Red" because of critical vacancies among key senior personnel.

Energy Programs - Energy programs (FE, EE, OE, and NE) were rated as "On Track" (Green) for 17 of the 24 (71 %) programs reported. Of the remaining 7 programs, 6 (25 %) were reported as Yellow. These Yellow rated programs have issues that should be resolved in FY 2006. Causes include failure to meet all project milestones and both cost and schedule overruns/underruns.

NE reported 4 of 7 programs (57 %) as “On Track” (Green). Two of the remaining three programs (29 %) were rated as Yellow (Materials & Fuel Complex and Nuclear Power 2010). The MFC program ran into problems during the implementation of new work control and cost accounting procedures and NP2010 program had schedule delays due to an unexpected large number (over 1,200) of requests for information from the NRC. The Design Basis Threat was rated as Red due to unplanned work requirements and the insufficient personnel for defining building owner security needs. However, all three programs have implemented action plans to get back on schedule.

OE reported their single program, Electric Transmission and Distribution, as Green. No issues were identified.

FE reported three of their four programs (75 %) as “On Track” (Green). The Coal program was rated as Yellow due to a missed third quarter performance milestone (4.55.1 Mercury Control). However, the annual target is expected to be met based on the selection of three projects for the Phase III Mercury Solicitation without impacting annual cost and schedule.

EE reported 9 of 12 programs (75 %) as “On Track” (Green). The three other programs (Building Technologies, Federal Energy Management, and Weatherization) were rated Yellow due to missed third quarter performance milestones (4.04.4 Appliance Standard Rulemakings; Financial Obligations; and 4.09.2 Weatherization Comprehensive Evaluation). However, EE anticipates meeting the respective annual performance targets.

Program Management Assessments - Third Quarter, 2006		
Program	Rating	Overall Program Comment
Office of Nuclear Energy, Science and Technology		
Materials and Fuel Complex (MFC)	Yellow	Due to Cost Overrun of 12% (CV). Slight increase from 2nd Qtr. Overrun caused by problems encountered in implementation of new work control and cost accounting procedures. Anticipate return to Green by the end of next quarter.
Design Basis Threat (DBT)	Red	Behind Schedule (19%) and Over Cost (19%). Schedule is being recovered but is requiring additional resources. Additional resources were also required to overcome unexpected complications (Argus Conversion Project).
Advanced Test Reactor (ATR)	Green	On track. Cost and schedule are within variance limits.
Reactor Technology Complex (RTC)	Green	On track. Cost and schedule are within variance limits.
Advanced Fuel Cycle Initiative (AFCI)	Green	On track. Cost and schedule are within variance limits.
Nuclear Power 2010 (NP 2010)	Yellow	Dominion project is slightly behind schedule and under planned costs. GE received over 1,200 requests for information from the NRC which was more than expected, causing schedule delays.
Nuclear Hydrogen Initiative (NHI)	Green	On track. Cost and schedule are within variance limits.
Office of Electricity Delivery and Energy Reliability		
Electric Transmission and Distribution	Green	OE's business lines all indicate operations are proceeding according to plan and within established tolerances. Tracking of projects indicate timely achievement of most milestones, and where warranted, corrective actions are being taken to ensure achievement of performance goals.
Office of Fossil Energy		
Coal	Yellow	A third quarter milestone was not met. However, three projects were awarded, selected from the Phase III Mercury Solicitation, that have the potential to meet the annual target. Awards were delayed because of the Continuing Resolution, plus unanticipated project specific issues surfaced during negotiations that delayed the award dates. Two of the three awards have now been made. Project schedules had to be adjusted accordingly. This milestone is expected to be completed in Q4 with no impact on cost or schedule of the annual target.
Natural Gas Technologies	Green	On track in the areas of cost, schedule and overall performance.
Oil Technologies	Green	On track in the areas of cost, schedule and overall performance.
Strategic Petroleum Reserve (SPR)	Green	On track in the areas of cost, schedule and overall performance.

Program Management Assessments - Third Quarter, 2006

Program	Rating	Overall Program Comment
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Office of Energy Efficiency and Renewable Energy

Biomass	Green	Yellow in cost (only 80% obligations met); green in schedule and overall progress.
Building Technologies	Yellow	Did not meet 3rd Qtr obligation goal of 85%. Did not meet 3rd Qtr Appliance Stds Performance milestone. Expect to fully recover in 4th Qtr.
Federal Energy Management (FEMP/DEMP)	Yellow	Did not meet 3rd Qtr obligation goal of 85%. Expect to fully recover in 4th Qtr.
Geothermal Technologies	Green	Green in cost, schedule and overall performance (program slated for close-out)
Hydrogen, Fuel Cell & Infrastructure Technologies	Green	All cost are within established limits and project milestones are on track or completed.
Hydropower Technologies	Green	All cost are within established limits and project milestones are on track or completed.
Industrial Technologies	Green	All cost are within established limits and project milestones are on track or completed.
Solar Energy Technologies	Green	All cost are within established limits and project milestones are on track or completed.
State Energy Program Grants	Green	All cost are within established limits and project milestones are on track or completed.
Freedom CAR & Vehicle Technologies	Green	All cost are within established limits and project milestones are on track or completed.
Weatherization	Yellow	Did not complete 3rd Qtr Independent Evaluation performance milestone. Expect to fully recover in 4th Qtr.
Wind Technologies	Green	All cost are within established limits and project milestones are on track or completed.

Office of Science

Advanced Scientific Computing Research	Green	Programs provided an assessment in each of seven categories and identified additional items that required attention. These categories covered: key personnel issues, program management issues, the status of construction projects and Major Items of Equipment, landlord issues, budget issues, scientific advisory committee and community issues, and any issues that impact Program Assessment Rating Tool (PART) commitments or Joule performance measures. Most programs continue to be understaffed with key personal vacancies and impending retirements. The Fusion Energy program has the highest potential for failure due to these personal vacancies and was rated as Red.
Basic Energy Sciences	Yellow	
Biological and Environmental Research	Green	
Fusion Energy Sciences	Red	
High Energy Physics	Yellow	
Nuclear Physics	Yellow	

Program Management Assessments - Third Quarter, 2006

Program	Rating	Overall Program Comment
National Nuclear Security Administration		
Directed Stockpile Work	Yellow	Overall performance is Yellow. Cost performance is Green as the program's cost variance is less than 10% from the baseline plan as reported by the DOE IDW/STARS; however, some W76 LEP-related cost reallocations are pending. Schedule performance is Yellow, reflecting several projected risks associated with the surveillance and Life Extension Program (LEP) performance measures. Impacts include continued delays in disassembly and disposition activities that impact the ability of the Production Agencies in meeting throughput schedules.
Science Campaign	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key technical milestones have been completed or remain on track.
Engineering Campaign	Green	Overall performance is Green. Cost performance is Green as the campaign's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key technical milestones remain on track and all Engineering Campaign sub-programs anticipate key milestones to remain reported as "green."
Inertial Confinement Fusion Ignition & High Yield (ICF) Campaign	Green	Overall Performance is Green. Cost Performance is Green. The program's cost variance of +1.4% is slightly above the baseline plan for FY06 through Q3. All ICF funds for FY06 have now been appropriated and the FY06 rescission of 1% has been assessed. All funds have been allocated to the sites. We expect that, over the remainder of FY06, the spending rate will be relatively constant now that funds are available. This assessment is based on the best available NA-62-reported cost data. Schedule performance is Green. Five additional major milestones were added in Q2 because of specific Congressional instructions. There are 31 of 32 major FY06 milestones now on track for completion. Nine have been completed, including 2 scheduled for Q3 completion. One may not be completed this year. All other activities are on schedule.
Advanced Simulation & Computing (ASC) Campaign	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key technical milestones have been completed or remain on track.
Pit Manufacturing & Certification Campaign	Yellow	Overall performance is Yellow. Cost performance is currently Green as costs are within campaign setpoints. However, the delays in the Unicorn Subcritical Experiment (SCE) have exerted cost pressure on the campaign, and will result in a limited reprogramming in the fourth quarter for increased Pit Certification costs at Los Alamos. Schedule performance is currently Yellow as key technical milestones are affected due to the significant impact of the Unicorn experiment delays. Maintaining the Level 1 Pit Certification milestone is critical to the campaign schedule and the Unicorn experiment is necessary to achieve FY07 milestones. Action Plan: Costs are being closely managed and all non- critical path activities, including travel, have been eliminated or significantly scaled back. To maintain the FY07 schedule, the pit certification activity has been significantly rescoped and the FY07 milestone is still maintained, although at high risk.

Program Management Assessments - Third Quarter, 2006

Program	Rating	Overall Program Comment
Readiness Campaign	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key technical milestones have been completed or remain on track.
Readiness in Technical Base & Facilities (RTBF) O&M	Green	Overall performance is Green. Cost performance is Green as the program resolved the 10% to 20% cost variance from its annual baseline plan through site target and scope adjustments. (The appropriated FY06 RTBF Operations of Facilities budget included approximately \$240 Million in Congressional earmarks and program directed activities without additional funding.) Schedule performance is Green as milestones for facility availability, safety, and facility conditions are on track for FY06/3Q.
Readiness in Technical Base & Facilities (RTBF) Construction	Yellow	Cost performance is Yellow because the cost variance is for a few projects is below the 10% of the established baseline plan. Schedule performance is also Yellow because milestones for a few projects are not on track. Site/project managers are accessing the affected project costs and schedules and will recommend corrective actions.
Secure Transportation Asset	Green	Overall performance is Yellow. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Yellow as some key technical milestones are not on track or have not been met. The program continues to meet the immediate needs of the weapons complex, as well as the DOE requests for secure transport; however, the forecasted workload for the year has not materialized. Action Plan: The program will work with customers to try to increase shipment requests to avoid future backlogs; however, the under-utilized capacity of the first two quarters cannot be recaptured.
Nuclear Weapons Incident Response (NWIR)	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key technical milestones have been completed or remain on track to meet year-end targets.
Facilities & Infrastructure Recapitalization Program (FIRP)	Green	Overall performance is Green. Cost performance is Green as monthly project reports and I-Manage Data Warehouse data show the program has a cost variance of less than 3% from its baseline Target Cost Projection (through May 2006). Schedule performance is Green as key technical milestones have been completed or remain on track. The program's FY06 targets were significantly reduced based on a final FY06 appropriation that was ~\$130M below the request. The program is fully on-track to meet these revised FY06 annual targets.
Defense Nuclear Security	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. Schedule performance is Green as key milestones have been completed or remain on track to meet year-end-targets.
Cyber Security	Yellow	Overall performance is Yellow. Cost performance is Yellow as the program's cost variance is 10% to 20% from its annual baseline plan. Cost performance is at risk because the Congressional earmark for the Red Network project at LANL is 20% of the Cyber Security Budget. Projects and activities are prioritized. Action Plan: Anticipate completion of the Red Network project 4Q. Schedule performance is Green as key technical milestones have been completed or remain on track.

Program Management Assessments - Third Quarter, 2006		
Program	Rating	Overall Program Comment
Nonproliferation & Verification R&D	Green	Overall performance is Green. Cost performance is Green as monthly project reports and STARS data show the program has a cost plus commitment variance within 10% from its baseline Target Cost Projection. Schedule performance is Green as key technical milestones such as next generation of technologies, nuclear explosion monitoring deliveries, and advancing science and technology knowledge have been completed or remain on track.
Elimination of Weapons-Grade Plutonium Production Reactors	Green	Overall Performance is Green. Cost performance is Green as monthly project reports and STARS data show the program has a cost plus commitment variance of less than 10% from its baseline Target Cost Projection. Schedule performance is Green as the Zheleznogorsk project is baselined. Seversk is on schedule for December 2008 completion. Zheleznogorsk is at a low risk of not fully achieving the December 2010 completion.
Nonproliferation and International Security (N&IS)	Green	Overall performance is Green. Cost performance is Green as monthly project reports and STARS data show the program has a cost plus commitment variance of less than 10% from its baseline Target Cost Projection. Schedule performance is Green as key milestones have been completed or remain on track.
International Nuclear Materials Protection and Cooperation	Green	Overall performance is Green. Cost performance is Green as monthly project reports and STARS data show the program has a cost plus commitment variance of less than 10% from its baseline Target Cost Projection. Schedule performance is Green as key technical milestones related to securing Russian warhead sites, buildings with weapons usable nuclear material, converting HEU to LEU and completing installations at boarder crossing and megaports are on schedule.
Fissile Materials Disposition	Yellow	Overall performance is Yellow. Cost performance is Yellow. Based on STARS data, some program costs are below expected levels. In addition, cost plans for the U.S. MOX facility will be adjusted after approval of its project baseline expected in the 4th Quarter (Critical Decision 2). Schedule performance is Green because the program is fully on track to meet its FY06 targets. The program's targets were revised in the first quarter based on the program's final FY06 appropriation that was ~\$180M below the request and due to a re-plan of the Pit Disassembly and Conversion Facility project.
Global Threat Reduction Initiative (GTRI)	Green	Overall performance is Green. Cost performance is Green as monthly project reports and STARS data show the program has a cost plus commitment variance of less than 10% from its baseline Target Cost Projection. Schedule performance is Green as key technical milestones are on schedule.
Naval Reactors	Green	Overall performance is Green. Cost performance is Green as monthly project reports and Financial Data Warehouse data show the program has a cost variance of less than 10% from its baseline projection. Schedule performance is Green as key technical milestones have been completed or remain on track to meet year-end targets.
Office of the Administrator	Green	Overall performance is Green. Cost performance is Green as the program's cost variance is less than 10% from its annual baseline plan. This assessment is based on the best available cost data, as the Department's accounting system is not fully functional. Schedule performance is Green as key technical milestones have been completed or remain on track to meet year-end targets.

Appendix A:

Detailed Information on Joule Performance Measures

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Performance Scorecard	1
Energy, Science and Environment	
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PERFORMANCE MEASURES SCORECARD					
GENERAL GOALS AND SCORES (90% & ABOVE)	PROGRAM GOALS (100% & ABOVE TO GET TO GREEN)	GREEN	YELLOW	RED	
1. Nuclear Weapons Stewardship	NA GG 1.27 Directed Stockpile Work	3	0	3	
	NA GG 1.28 Science Campaign This Year to Date	6	0	0	
	NA GG 1.29 Engineering Campaign	5	0	0	
	NA GG 1.30 Inertial Confinement Fusion Ignition and High Yield (ICF) Campaign	4	1	0	
	NA GG 1.31 Advanced Simulation and Computing Campaign (ASC)	4	1	0	
	NA GG 1.32 Pit Manufacturing and Certification Campaign	2	0	1	
	NA GG 1.33 Readiness Campaign	3	0	0	
	NA GG 1.34 Readiness in Technical Base and Facilities Operations (RTBF)	4	0	0	
	NA GG 1.36 Secure Transportation Asset (STA)	2	2	1	
	NA GG 1.37 Nuclear Weapons Incident Response (NWIR)	1	0	0	
	NA GG 1.38 Facilities and Infrastructure Recapitalization Program (FIRP)	3	0	0	
	NA GG 1.39 Defense Nuclear Security	3	1	0	
	NA GG 1/2.50 Office of the Administrator	1	0	0	
	NA GG 2.40 Nonproliferation and Verification R&D	6	0	0	
2. Nuclear Non-Proliferation	NA GG 2.42 Elimination of Weapons-Grade Plutonium Production (EWGPP)	2	1	0	
	NA GG 2.44 Nonproliferation and International Security (N&IS)	5	0	0	
	NA GG 2.46 International Nuclear Materials Protection and Cooperation	5	0	0	
	NA GG 2.47 Fissile Materials Disposition	3	0	0	
	NA GG 2.64 Global Threat Reduction Initiative (GTRI)	4	1	0	
	NA GG 1/2.50 Office of the Administrator				
3. Naval Reactors	NA GG 3.49 Naval Reactors	6	0	0	
4. Energy Security	EE GG 4.01 Hydrogen, Fuel Cells and Infrastructure Technologies Program	6	0	0	
	EE GG 4.02 Freedom Car & Vehicle Technologies	4	0	1	
	EE GG 4.03 Solar	4	0	0	
	EE GG 4.04 Building Technologies	5	0	1	
	EE GG 4.05 Wind Energy	2	0	0	
	EE GG 4.06 Hydropower	2	0	0	
	EE GG 4.07 Geothermal Technologies Program	2	0	0	
	EE GG 4.08 Biomass	3	0	0	
	EE GG 4.09 Weatherization Program	2	0	1	
	EE GG 4.10 State Energy Program	2	0	0	
	EE GG 4.13 Federal Energy Management Program	4	0	0	
	EE GG 4.60 Industrial Technologies Program	3	0	0	
	OE GG 4.12 Electricity Delivery and Energy Reliability	5	0	0	
	NE GG 4.14 New Nuclear Generation Technologies	5	0	0	
	NE GG 4.17 National Nuclear Infrastructure	3	0	1	
	PMA GG 4.51 Southeastern Power Administration	1	0	2	
	PMA GG 4.52 Southwestern Power Administration	4	1	0	
	PMA GG 4.53 Western Area Power Administration	1	0	0	
	PMA GG 4.54 Bonneville Power Administration	4	0	0	
	FE GG 4.55 Zero Emissions Coal-Based Electricity & Hydrogen Production	7	0	1	
	FE GG 4.56 Natural Gas Technologies	1	0	0	
	FE GG 4.57 Oil Technology	1	0	0	
	FE GG 4.58 SPR	2	0	0	
	EIA GG 4.61 Energy Information Administration	2	0	0	
5. World-Class Scientific Research Capacity	SC GG 5.19 High Energy Physics	3	0	2	
	SC GG 5.20 Nuclear Physics	3	0	0	
	SC GG 5.21 Biological and Environmental Research	7	0	0	
	SC GG 5.22 Basic Energy Science	5	0	0	
	SC GG 5.23 ACSR	2	0	0	
	SC GG 5.24 Fusion Energy Sciences	4	0	0	
6. Environmental Management	EM GG 6.18 Environmental Management	5	0	1	
	LM GG 6.26 Legacy Management	2	0	0	
7. Nuclear Waste	RW GG 7.25 Civilian Radioactive Waste	3	0	0	

Note: Color ratings for each program goal and associated annual target are displayed in the table above. The current performance scale requires each Program to have at least 90 percent or more of their targets performing on-track before acquiring a "green" status in Joule. This requirement is currently being re-evaluated among Senior Level Managers and a final decision on whether or not 90 percent will continue to be the minimum performance level for Programs will be determined at a later date.

Civilian Radioactive Waste Management Program Goal and Annual Targets
Third Quarter, FY 2006

- G Nuclear Waste Disposal (RW 7.25)**
 - G** Modified Critical Decision-1 Package (RW 7.25.1)
 - G** Environmental Impact Statement (RW 7.25.2)
 - G** Reduce Management Program Funding (RW 7.25.3)

Office of Electricity Delivery and Energy Reliability Program Goal and Annual Targets
Third Quarter, FY 2006

- G Electric Transmission and Distribution (OETD 4.12)**
 - G** HTS (OETD 4.12.1)
 - G** EIPP Visualization & Control (OETD 4.12.2)
 - G** Energy Storage (OETD 4.12.3)
 - G** R&D Program Direction vs. R&D Program Funding (OETD 4.12.4)
 - G** Distributed Energy Resources (OETD 4.12.5)

Energy Efficiency and Renewable Energy Program Goals and Annual Targets
Third Quarter, FY 2006

- | | |
|---|--|
| <ul style="list-style-type: none"> G Hydrogen & Fuel Cell (EE 4.01) <ul style="list-style-type: none"> G Hydride Storage System (EE 4.01.1) G Hydrogen Refueling Station (EE 4.01.2) G Hydrogen Fuel Cell Vehicle Durability (EE 4.01.3) G Hydrogen Fuel Cell Power System (EE 4.01.4) G Hydrogen/Fuel Cell Program Direction (EE 4.01.5) Y Freedom Car/Vehicle Technologies (EE 4.02) <ul style="list-style-type: none"> G Vehicle Technologies Parasitic Loss (EE 4.02.1) G Vehicle Technologies Battery System (EE 4.02.2) G Light Vehicle Combustion Engine (EE 4.02.3) R Automotive-Grade Carbon Fiber (EE 4.02.4) G Vehicle Program Direction (EE 4.02.5) G Solar Programs (EE 4.03) <ul style="list-style-type: none"> G Crystalline Silicon PV (EE 4.03.1) G Thin-Film PV Modules (EE 4.03.2) G Concentrating Solar Power (EE 4.03.3) G Solar Program Direction (EE 4.03.4) Y Building Technologies (EE 4.04) <ul style="list-style-type: none"> G Building America (EE 4.04.1) G Commercial Building R&D (EE 4.04.2) G Solid State Lighting (EE 4.04.3) R Appliance Standard Rulemakings (EE 4.04.4) G Energy Star (EE.4.04.5) G Building Program Direction (EE.4.04.6) G Wind Power (EE 4.05) <ul style="list-style-type: none"> G Wind Turbine Technologies (EE 4.05.1) G Wind Technology Program Direction (EE 4.05.2) | <ul style="list-style-type: none"> G Hydropower (EE 4.06) <ul style="list-style-type: none"> G Hydropower Final Report (EE 4.06.1) G Hydropower Program Direction (EE 4.06.2) G Geothermal (EE 4.07) <ul style="list-style-type: none"> G Geothermal Closeout/Achival (EE 4.07.1) G Geothermal Program Direction (EE 4.07.2) G Biomass & Biorefinery (EE 4.08) <ul style="list-style-type: none"> G Biomass Product Development (EE 4.08.1) G Biomass Feedstocks (EE 4.08.2) G Biomass Program Direction (EE 4.08.3) Y Weatherization (EE 4.09) <ul style="list-style-type: none"> G Weatherization of Low Income Homes (EE 4.09.1) R Weatherization Evaluation (EE 4.09.2) G Weatherization Program Direction (EE 4.09.3) G State Energy Programs (EE 4.10) <ul style="list-style-type: none"> G State Energy Program Energy Savings (EE 4.10.1) G State Energy Program Direction (EE 4.10.2) G Federal Energy Mgt Program (FEMP) (EE 4.13) <ul style="list-style-type: none"> G FEMP Energy Saving Contracts (EE 4.13.1) G FEMP Technical and Design Assistance (EE 4.13.2) G Technical and Design Assistance (EE 4.13.3) G FEMP Program Direction (EE 4.13.4) G Industrial Technologies (EE 4.60) <ul style="list-style-type: none"> G Industrial Technologies Commercialized (EE 4.60.1) G Industrial Technologies (EE 4.60.2) G Industrial Program Direction (EE 4.60.3) |
|---|--|

EE GG 4.02.4 Automotive-Grade Carbon Fiber The quarterly milestone required the program to improve lignin feedstock to produce fibers which meet program target values for strength and modulus of elasticity. The program reports that the carbon fiber produced from lignin has not met the program's mechanical property targets. One of the reasons for this shortfall is that the processes for lignin purification and chemical treatment are not well understood. In addition, the process for extracting the lignin (from the wood pulp stream) is not optimized. **ACTION PLAN:** A new project was initiated mid- year to address these technical challenges. As reported last quarter, this project will not provide results in time to meet the end of year target (modeled) of \$3/pound of carbon fiber.

EE GG 4.04.4 Appliance Standard Rulemakings The quarterly milestone required the Program to publish EPACT 2005 Test Procedures Codification into the CFR and the Notice of Proposed Rulemaking for Distribution Transformer Standards. The program reports the "En Masse" Test Procedure Proposed Rule has been completed and is awaiting publication at the Federal Register and the Notice of Proposed Rulemaking for Distribution Transformer Standards has been reviewed by the Office of Management and Budget, but it has yet to be signed by EE-1 and S-1. **ACTION PLAN:** After receiving approval by EE-1, the Notice of Proposed Rulemaking for Distribution Transformer Standards will be submitted to S-1 for approval. It is expected that this process will be completed before the end of FY06.

EE GG 4.09.2 Weatherization Evaluation The quarterly milestone required the program to distribute data collection instruments to the field based on OMB-approved survey design and sampling protocols. The program determined the third quarter milestone to be inconsistent with the stated annual target, which was completed in the second quarter FY2006.

Energy Information Administration Program Goal and Annual Targets Third Quarter, FY 2006	
G	Energy Data and Analysis (EIA 4.61)
G	EIA Projects Meeting Release Schedules (EIA 4.61.1)
G	Customer Surveys (EIA 4.61.2)

Environmental Management Program Goal and Annual Targets Third Quarter, FY 2006	
G	Environmental Management (EM 6.18)
G	Enriched Uranium Packaged for Disposition (EM 6.18.1)
G	High Level Waste Packaged for Disposition (EM 6.18.2)
R	TRU Waste Disposed at WIPP (EM 6.18.3)
G	Release Site Remediation Completions (EM 6.18.4)
G	Nuclear and Radioactive Facility Completions (EM 6.18.5)
G	Efficiency: Cost and Schedule (EM 6.18.6)

EM GG 6.18.3 TRU Waste Disposed at WIPP The quarterly milestone required the program to dispose at WIPP a cumulative total of 51,141 cubic meters of TRU waste. To date, the program has disposed 34,601 cubic meters of TRU waste. The program reports the negative variance results from delays throughout the complex including Idaho, Savannah River Site, Richland, and LANL. Idaho has met its goal of 6000 m3 TRU waste disposed at WIPP required by the Settlement Agreement (the Batt Agreement). The Advanced Mixed Waste Treatment Facility continued to process waste at or near its design capacity. **ACTION PLAN:** DOE is working with Idaho and the other sites to meet its goals. Also, a complex-wide evaluation of the current goals that were originally set for this metric are being re-evaluated.

**Fossil Energy Program Goals and Annual Targets
Third Quarter, FY 2006**

Y Zero Emissions Coal-Based Electricity & Hydrogen Production (FE 4.55)

- R** Mercury Control (FE 4.55.1)
- G** Advanced Gas Separation Technologies (FE 4.55.2)
- G** Turbines (FE 4.55.3)
- G** Advanced Capture and Sequestration (FE 4.55.4)
- G** SECA System Design (FE 4.55.5)
- G** SECA Core Technology (FE 4.55.6)
- G** Hydrogen from Coal Program (FE 4.55.7)
- G** CCPI Technology Demonstrations (FE 4.55.8)

G Natural Gas Technologies (FE 4.56)

- G** Model/Concept/Prototype Development and Field Test and Evaluation (FE 4.56.1)

G Oil Technology (FE 4.57)

- G** Development: Field Test and Evaluation (FE 4.57.1)

G Strategic Petroleum Reserve (FE 4.58)

- G** Crude Oil Inventory (FE 4.58.1)
- G** Operating Costs (FE 4.58.2)

FE GG 4.55.1 Mercury Control The quarterly milestone required the Program to initiate development of test and QA/QC plans for evaluation of technology capable of achieving 90% or greater control of mercury from coal-fired power plant flue gas. The Program reports three projects, selected from the Phase III Mercury Solicitation, of having the potential to meet the annual target. However, awards were delayed due to the continuing resolution and unanticipated project specific issues. Two of the three awards have now been made. **ACTION PLAN:** At the time of this report an action plan had not been submitted by the Program for this target. However, the program expects to meet all milestones and the annual target by the end of the year.

Legacy Management Program Goal and Annual Target
Third Quarter, FY 2006

- G** **LM Activities (LM 6.26)**
 - G** Surveillance and Maintenance Activities (LM 6.26.1)
 - G** Reduce Program Direction Expenditures (LM 6.26.2)

Nuclear Energy Program Goals and Annual Targets
Third Quarter, FY 2006

- G** **New Nuclear Generation Technologies (NE 4.14)**
 - G** Research and Development Activities for Gen IV (NE 4.14.1)
 - G** Research and Development Activities for NHI (NE 4.14.2)
 - G** Research and Development Activities for AFCI (NE 4.14.3)
 - G** NP 2010 Engineering and Licensing Demonstration Activities (NE 4.14.4)
 - G** R&D Program Direction (NE 4.14.5)
- Y** **National Nuclear Infrastructure (NE 4.17)**
 - G** Radiological Facilities Management (NE 4.17.1)
 - G** DBT Protective System Upgrades (NE 4.17.2)
 - G** Enhance the Nation's Nuclear Education (NE 4.17.3)
 - R** Cost and Schedule Baselines (NE 4.17.4)

NE GG 4.17.4 Cost and Schedule Baselines The quarterly milestone required the program to achieve a year-to-date variance of less than 10 percent from cost and schedule baselines. The milestone was not met and the program is working to correct problems associated with this performance measure. The MFC had a cumulative cost variance (CV) of -11% (yellow) and schedule variance (SV) of +4% (green). The RTC had a cumulative CV of +2% (green) and SV of +5% (green). Cumulative CV and SV calculations are taken from the June INL Infrastructure Monthly Report. The high MFC CV is due to on-going, unanticipated problems encountered with the implementation of new work control and accounting procedures by a new contractor. **ACTION PLAN:** MFC Management is continuing to meet with control account managers to assess the causes and put in place corrective actions to bring MFC CV back within - 0%/+10% by the end of the last quarter of FY 2006.

Science Program Goals and Annual Targets
Third Quarter, FY 2006

R High Energy Physics (SC 5.19)

- G** Inverse Picobarns (SC 5.19.1)
- R** Inverse Femtobarns (5.19.2)
- G** Cost and Schedule Baselines (SC 5.19.3)
- R** Scientific User Facilities (SC 5.19.4)
- G** MINOS Detector (SC 5.19.5)

G Nuclear Physics (SC 5.20)

- G** Events (SC 5.20.1)
- G** Experiments (SC 5.20.2)
- G** Heavy-Ion Collision Events (SC 5.20.3)

G Biological and Environmental Research (SC 5.21)

- G** Contaminant Transport (SC 5.21.1)
- G** DNA sequencing (SC 5.21.2)
- G** Improve Climate Models (SC 5.21.3)
- G** FACE/ ARM Facilities (SC 5.21.4)
- G** Molecular Sciences Laboratory (SC 5.21.5)
- G** Life Sciences Scientific User Facilities (SC 5.21.6)
- G** Advance Blind Patient Sight (SC 5.21.7)

G Basic Energy Sciences (SC 5.22)

- G** Temporal Resolution (SC 5.22.1)
- G** Spatial Resolution (SC 5.22.2)
- G** SciDAC (SC 5.22.3)
- G** Cost and Schedule Baselines (SC 5.22.4)
- G** Operation Time (SC 5.22.5)

G Fusion Energy Sciences (SC 5.24)

- G** New Beamline Port (SC 5.24.1)
- G** Plasma Phenomena (SC 5.24.2)
- G** Facility Operations (SC 5.24.3)
- G** Cost and Schedule Baselines (SC 5.24.4)

SC GG 5.19.2 Inverse Femtobarns The quarterly milestone required the program to deliver data (within 20% of their baseline) to the BABAR detector at the SLAC B-factory. The milestone was not met. The program reports SLAC failed to achieve its overall quarter three 2006 luminosity performance goal due to recovery from repair of vacuum leaks identified in quarter two. However the incremental quarter three goal (30 inverse femtobarns in quarter three alone) was exceeded. ACTION PLAN: Repairs have been completed and typical accelerator performance now exceeds previous record levels. The annual target can be achieved, if high intensity running is maintained through quarter four.

SC GG 5.19.4 Scientific User Facilities The quarterly milestone required the program to maintain progress towards average achieved operation time goal of greater than 80%. The third quarter milestone was met. Tevatron Unscheduled downtime: 8%. SLAC unscheduled downtime 18%. Weighted average unscheduled downtime 11%. Average Operations time 89%. ACTION PLAN: An action plan was not needed by the Program due to that fact that the red status reported is due to previously missed milestones in subsequent quarters.

National Nuclear Security Administration Program Goals

Third Quarter, FY 2006

Y NNSA Defense Programs (DP)

- R** Directed Stockpile Work (DP 1.27)
- G** Science Campaign (DP 1.28)
- G** Engineering Campaign (DP 1.29)
- Y** ICF/NIF (DP 1.30)
- Y** ASCI (DP 1.31)
- Y** Pit Manufacturing (DP 1.32)
- G** Readiness Campaign (DP 1.33)
- G** RTBF Operations and Maintenance (DP 1.34)
- G** RTBF Construction (DP 1.35)
- Y** Secure Transportation Asset (DP 1.36)
- G** Nuclear Weapons Incident Response (DP 1.37)
- G** Facilities & Infrastructure Recap Program (DP 1.38)
- Y** Safeguards and Security (DP 1.39)
- G** Office of the Administrator (DP/NN) (NNSA 1/2.50)

Y Nuclear Nonproliferation (NN)

- G** Nonproliferation Verification Research and Development (NN 2.40)
- Y** Elimination of Weapons-Grade Plutonium Production Reactors (NN 2.42)
- G** Nonproliferation and Int'l Security (NN 2.44)
- G** Int'l Materials Protection and Cooperation (NN 2.46)
- G** Fissile Material Disposition (NN 2.47)
- Y** Global Threat Reduction Initiative (NN 2.64)
- G** Office of the Administrator (DP/NN) (NNSA 1/2.50)

G Naval Reactors (NR)

- G** Naval Reactors (NR 3.49)

NA GG 1.27.03 Nuclear Weapons Stockpile Maintenance The annual target requires the program to complete 95 percent of the items supporting Enduring Stockpile Maintenance. The program report being behind schedule and unable to meet the annual target. During the third quarter, the authorization bases for the B61 and W87 were completed and operations were authorized at the Pantex Plant; the current B83 authorization basis reflects approval in the first quarter of FY07. **ACTION PLAN:** A Pantex Throughput Improvement Plan has been developed to help guide corrective actions.

NA GG 1.27.05 W80-3 LEP The annual target requires the program to complete 36 percent towards completing NWC-approved W80-3 LEP activity (Long-term Output). The programs reports the W80-3 LEP was cancelled by the Nuclear Weapons Council (NWC) on May 10, 2006. **ACTION PLAN:** None; the program has stopped LEP activity and is preparing for full shutdown by FY07.

NA GG 1.27.08 W80 Production Cost/Warhead The annual target requires the program to reduce projected W80 warhead production costs by 0.5 percent per warhead from established validated baseline, as computed and reported annually by the W80 LEP Cost Control Board. The program reported the W80-3 LEP was cancelled by the NWC and the W80-3 LEP Cost Control Board will be disbanded. ACTION PLAN: None for the W80-3 LEP, but a similar cost control efficiency measure is being proposed for the W76-1 LEP since such a measure is beneficial to all weapon programs.

NA GG 1.30.1 Demonstrate Ignition at National Ignition Facility The annual target requires the program to complete a cumulative percentage of 73 percent towards demonstrating ignition (simulating fusion conditions in a nuclear explosion) at the National Ignition Facility (NIF) to increase confidence in modeling weapons performance. The program reports completing two milestones in FY06 2nd quarter and six being on schedule for completion. One milestone, which measures compression of the fusion fuel, requires several actions to move back on track. ACTION PLAN: Improve measurements and develop a better understanding of the underlying physics to meet this milestone and achieve the cumulative target of 73 percent progress towards demonstrating ignition (increase of 8 percent).

NA GG 1.31.3 Maximum Individual ASC Platform Computing Capability The annual target requires the program to demonstrate a single 100 teraflops platform computing capability. The program reports a programmatic decision was made to receive two platforms, a 94 teraflops classified platform accompanied by a six teraflops unclassified platform. ACTION PLAN: None required since the customer accepted the altered configuration.

NA GG 1.32.03 Restore Manufacturing Capability For All Pit Types The annual target requires the program to complete 35 percent of major milestones towards restoration of manufacturing capability for all pit types in the enduring stockpile. The program is behind schedule and anticipates achieving 60 percent of the cumulative 70 percent target (10 percent vs. planned 20 percent increase). Delays in the scheduled completion of the Unicorn Subcritical Experiment will delay availability/use of the resulting experimental data and several supporting milestones dependent on this data. In addition, completion of plutonium sample fabrication, important to destructive testing and damage model development, was delayed by the temporary shut down of TA-55 (fire protection deficiencies) and this has impacted completion of several certification milestones. ACTION PLAN: Los Alamos National Laboratory (LANL) has developed a recovery plan to compress the overall amount of time required to analyze the Unicorn data in support of the FY07 W88 certification milestone; adjusting the sequence of activities for code development; conducting the small-scale part fabrication and testing at alternate locations; and completion of pit destructive testing and analysis will be accelerated to ensure interim milestones can be maintained.

NA GG 1.36.02 Cost Per Convoy The annual target requires the program to track annual cost per convoy, to not exceed \$1.80 million for FY 06. The program is not on track to achieve the annual target. This metric is directly related to the number of convoys completed and, if only 90 convoys are completed, the result would be \$2.17M. ACTION PLAN: Since this metric is dependent on number of convoys, increasing convoys will improve the result.

NA GG 1.36.03 Secure Convoys Completed The annual target required the program to secure 115 convoys. The program is not on track to achieve this annual target. Only 43 convoys were completed at the end of FY06/2Q - lower than expected. Planned work for DOE EM has now been delayed until FY07, but was included in the original STA workload model for FY06. The current workload model (without EM requests) predicts approximately 92 convoys for the year. ACTION PLAN: The program will work with customers to try to increase shipment requests; however, the under-utilized capacity of the first two quarters cannot be recaptured.

NA GG 1.36.05 Federal Agents on Board The annual target required the program to have 355 Federal Agents on board by the end of FY 06. The program is not on track to achieve this target. The program expects to have agent end-strength of approximately 347. There have been 26 agent losses for FY06 (retirements, resignations, transfers, etc.) which is higher than expected. Agent strength at end of quarter two was 324 and the program expects the next recruit class to net at least 23 agents above losses. **ACTION PLAN:** Maintain systematic approach to advertisement, recruiting, screening, and qualification of agents to overcome fluctuations in class size and personnel losses.

NA GG 1.39.04 Cyber Security Effectiveness The annual target requires the program to achieve a cumulative percentage of 85 percent for Cyber Security reviews conducted by the Office of Independent Oversight and Performance Assurance (OA) at NNSA sites that resulted in the rating of "effective" (based on last OA review at each site over two Cyber Security topical areas). The program reports being behind schedule and at risk of not achieving the annual target of an OA rating of effective on a cumulative 57 percent of cyber security elements at NNSA sites (quarter three 50 percent rated effective). **ACTION PLAN:** The program will work with OA to schedule more Cyber Security reviews.

NA GG 2.42.01 Seversk Fossil Plant Construction The annual target requires the program to achieve a cumulative percentage of 59 percent towards refurbishing a fossil plant in Seversk facilitating shut down of two weapons-grade plutonium production reactors. The program reports being slightly behind schedule to achieve the annual target of 55 percent cumulative percentage completion of the fossil plant at Seversk. The project only achieved 94 percent of expected results for the third quarter but is still on track to meet the annual target. The lower percentage than forecasted is because of delays in letting task orders due to incomplete contracting data from the Russians. This resulted in a lower than forecasted invoicing, thus causing a lower than forecasted costing. The projected cumulative costs were to be \$178.3 M and the actual cumulative costs were \$166.9 M. **ACTION PLAN:** A recovery plan to improve procedures has been implemented, and the 55 percent goal will be achieved at year end.

NA GG 2.64.02 Kilograms of Soviet-Supplied HEU Repatriated to Russia The annual target requires the program to achieve 232 cumulative kilograms of HEU fresh and/or spent fuel from Soviet-supplied research reactors repatriated to Russia. The current cumulative total of fuel repatriated is 185 kgs. Four spent nuclear fuel (SNF) shipments from Uzbekistan containing 63 kgs of HEU SNF have been completed to year-to-date. Fresh fuel shipments from Libya (3.4kgs) and Poland (40.1kgs) are expected later this fiscal year. Delays in reaching agreements with countries to return HEU fuel to Russia has impacted this target. **ACTION PLAN:** The Program is working with Germany, Vietnam, and Ukraine [Sevastopol](21.8kgs) to attempt to complete a shipment from one of these countries before the end of the fiscal year. They are working closely with State Department and other organizations to develop strategies to ensure that countries are willing to return their Russian-origin HEU.

Power Marketing Administrations Program Goals and Annual Targets

Third Quarter, FY 2006

Y Southeastern Power Administration (PMA 4.51)

- G** System Reliability Performance (PMA 4.51.1)
- R** Repayment of Federal Power Investment Performance (PMA 4.51.2)
- R** Economic Benefit Performance (PMA 4.51.3)

Y Southwestern Power Administration (PMA 4.52)

- G** NERC Control Performance Standards (PMA 4.52.1)
- G** Repayment of Federal Power Investment Performance (PMA 4.52.2)
- G** Annual Operating Cost Performance (PMA 4.52.3)
- Y** Economic Benefit Performance (PMA 4.52.4)
- G** System Reliability Performance (PMA 4.52.5)

G Western Area Power Administration (PMA 4.53)

- G** System Reliability Performance (NERC Ratings) (PMA 4.53.1)

G Bonneville Power Administration (PMA 4.54)

- G** System Reliability Performance (NERC Ratings) (PMA 4.54.1)
- G** Repayment of Federal Power Investment Performance (PMA 4.54.2)
- G** Recordable Accident Frequency Rate Performance (PMA 4.54.3)
- G** Heavy-Load-Hour Availability (HLHA) of Hydro-Generating Capacity (PMA 4.54.4)

PMA GG 4.51.2 Repayment of Federal Power Investment Performance The quarterly milestone required the program to complete 95 percent of its planned repayment required at year-end (\$40.7 million). The program reports that cyclical drought conditions in the southeast resulted in below average power generation and a subsequent decrease in repayment. ACTION PLAN: Greater than average rainfall over the previous two fiscal years enabled Southeastern's repayment to be significantly greater than planned. The cyclical nature of rainfall should be considered when evaluating off-year results that are less than expected.

PMA GG 4.51.3 Economic Benefit Performance The quarterly milestone required the program to achieve 95 percent of its planned annual economic benefit to regions under average water conditions. The program reports that cyclical drought conditions in the southeast resulted in below average power generation and lower than expected economic benefits. Economic benefits are 65 percent of average for the second quarter and cumulative benefits at the end of the first two quarters are 71 percent of average. ACTION PLAN: Greater than average rainfall over the previous two fiscal years enabled economic benefits associated with the sale of Federal hydroelectric power to be significantly greater than planned. The cyclical nature of rainfall should be considered when evaluating off-year results that are less than expected.

PMA GG 4.52.4 Economic Benefit Performance The quarterly milestone required the program to achieve greater than 35 percent of its planned annual economic benefit to regions from the sale of hydroelectric power. Year-to-date, Southwestern has achieved 33.4 percent, or \$150.4 million, of the \$462 million annual goal. ACTION PLAN: Southwestern continues to experience severe drought conditions that hamper its ability to generate sufficient energy to fulfill its contractual obligations and provide expected economic benefits. In order to accomplish this goal with a "GREEN" rating, Southwestern must generate at least \$34.8 million in benefits above average for the remainder of the year.

Appendix B :

Detailed Information on PMA Initiatives

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Budget and Performance Integration	1
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Research and Development Investment Criteria	4
Real Property Asset Management	4

Internal Scorecard for Budget and Performance Integration Third Quarter, FY 2006		
Office/ Admin	Status Score	Comments
Energy, Science and Environment		
EE	Green	Provided excellent examples
EIA	Green	Provided excellent examples
EM	Yellow	Program efficiency measures did not provide specific information requested in the OMB efficiency measure report.
FE	Green	Provided excellent examples
LM	N/A	An efficiency report was not requested due to the Program not being PARTed.
NE	Green	Provided excellent examples
RW	Yellow	Program efficiency measures did not provide specific information requested in the OMB efficiency measure report.
SC	Green	Provided excellent examples
OE	Green	Provided excellent examples
National Nuclear Security Administration		
NNSA	Green	Provided excellent examples
Direct Reports		
BPA	Green	Provided excellent examples
SEPA	Green	Provided excellent examples
SWPA	Green	Provided excellent examples
WAPA	Green	Provided excellent examples

Internal Scorecard for Competitive Sourcing Third Quarter, FY 2006		
Office/ Admin	Status Score	Comments
All	N/A	No update required for this quarter.

Internal Scorecard for Human Capital Third Quarter, FY 2006		
Office/ Admin	Status Score	Comments
Energy, Science and Environment		
EE	Green	Good plan – continuing progress
EIA	Green	Good plan – expanding on areas of National interest.
EM	Green	Preparing new workforce plan with updated milestones.
FE	Green	Preparing updated skills analysis.
LM	Green	Good plan - continuing progress.
NE	Green	Completely revamped Workforce Plan – excellent start in this continuing effort.
RW	Green	Good plan - continuing progress.
SC	Green	Good plan - continuing progress.
OE	Green	Workforce Plan implementation strategies are being put into place.
National Nuclear Security Administration		
NNSA	Green	Updates are thorough – Use of Intern Programs and succession plan are highlights.
Direct Reports		
CF	Green	Provided draft workforce plan.
CI	Green	Small organization, no mission critical occupations to report on.
CN	Green	Small organization undergoing reorganization with IN – new plan being prepared.
ED	Green	Very thorough plan – working on possible implementation strategies.
EH	Green	Continues to provide information despite organizational uncertainties.
GC	Green	Type of business and personnel limit flexibilities in workforce planning.
HG	Green	Small organization with very limited resources (budgetary & personnel).
HR	Green	First time report from new office.
IG	Green	Making appropriate steps to bring workforce plan into place.
IM	Green	This organization continues to provide information despite A-76 roll out.
IN	Green	Reorg with CN – new plan being prepared to include CN.
MA	Green	Provided draft workforce plan.
PA	Green	Small organization, no mission critical occupations to report on.
PI	Green	Plans show recognition of workforce planning principles.
SSA	Green	Good plan – continuing progress.
BPA	Green	Recognizing continuing progress in their workforce planning efforts.
SEPA	Green	Small organization with major geographic distribution – excellent use of resources.
SWPA	Green	Use of succession planning and executive development programs are a plus.
WAPA	Green	Recognizing continuing progress in their workforce planning efforts.

Internal Scorecard for Improving Financial Performance Initiative Third Quarter, FY 2006		
Office/ Admin	Status Score	Comments
All	Green	No Comments

ANALYTICAL SUMMARY:

Element 1: Provides needed support on interim and annual financial statements. All DOE offices provided exemplary support, as needed, on the Department's quarterly financial statements, and provided support to remediation efforts and the FM PMO relating to the FY 2005 Audit Opinion, and therefore are rated GREEN on this element.

Element 2: Contributes to integration of entire suite of Corporate Business Management Information Systems. Most of the Program/Field Offices continued to provide support to I-MANAGE/STARS and IDW in one or more of the following forms during the quarter: (1) providing staff directly to projects, (2) providing staff to work on the Super Users Council, (3) providing support to address data clean-up corrections in STARS, and (4) providing support by reviewing data/reports. Therefore, all programs are rated GREEN on this element.

Element 3: Programs are rated, as applicable, on programmatic contribution to supporting DOE's plan for expansion of data integration activities.

Internal Scorecard for Expanded E-Government Third Quarter, FY 2006		
Office/ Admin	Status Score	Comments
Energy, Science and Environment		
ALL	Green	
National Nuclear Security Administration		
NNSA	Yellow	NA will need to correct and validate these GAO, IG or OA Audit findings, test contingency plans for at least 9 additional systems in the systems inventory not identified as critical infrastructure and key IT resources, and report cyber security incidents for all reporting periods to CIAC (and IG and CN as appropriate) or file a negative report monthly to receive a score of green
Direct Reports		
IM	Red	IM will need to have 1 additional IT system (24 of 24) certified and accredited and correct and validate all GAO, IG or OA Audit findings within 12 months of identification in order to receive a score of green.

Internal Scorecard for RDIC
Third Quarter, FY 2006

The Department has provided OMB with a draft RDIC target and milestones and the information outlining what the DOE R & D community is doing independent of the RDIC but related to this activity. OMB has not responded with a decision regarding targets and milestones, merely responded that they have not decided what if any requirements they propose/accept for this year. Under the direction of the Under Secretary and consistent with our independent program business plans, we are moving forward independently on the key RDIC objective, providing our decision makers with technology potential and benefits data of decision quality developed by practical and cost-effective means. DOE provided OMB with a status update of our independent "RDIC" progress and activities on June 27, 2006.

Internal Scorecard for Real Property Asset Management
Third Quarter, FY 2006

Office/ Admin	Status Score	Scoring Criteria
Energy, Science and Environment		
EE	Green	<ul style="list-style-type: none"> • Adequate facilities condition and funding.
EM	Yellow	<ul style="list-style-type: none"> • Data validations complete for Savannah River Site, Paducah, and ETTP, Richland Operations Office, WIPP, Office of River Protection, and Idaho National Lab, with Portsmouth is scheduled for 1 August 2006. • EM conducted FIMS Validation classes at Richland and at Oakridge during the quarter. • EM is making headway on review and correction of facilities inventory data.
FE	Green	<ul style="list-style-type: none"> • Annual maintenance and repair funding is adequate if caverns are eliminated from replacement plant value. • Facility condition is adequate.
LM	Green	<ul style="list-style-type: none"> • Industry standard for maintenance funding of 2 to 4 percent is not applicable to LM because of the unique nature of LM facilities. However, lack of deferred maintenance indicates funding is adequate. • LM reorganized its sites within FIMS to better comply with FRPC reporting requirements.

Internal Scorecard for Real Property Asset Management Con't... Third Quarter, FY 2006		
Office/ Admin	Status Score	Scoring Criteria
NE	Yellow	<ul style="list-style-type: none"> • Overall facilities condition not up to standard. • Annual maintenance and repair funding does not meet directed level of 2 to 4 percent of replacement plant value. • The TYSP for INL identifies resource requirements for deferred maintenance reduction. The TYSP is being used to support Section 955 of EPACT which requires development of a plan to eliminate DM at INL. The current IFI budget does not support DM reduction. NE remains yellow pending issuance of the EPACT section 955 report to Congress.
RW	Yellow	<ul style="list-style-type: none"> • Adequate facilities condition and funding based on inventory data. However, approved Ten Year Site Plan highlights poor facilities condition. • Inconsistency between approved Ten Year Site Plan and FIMS data should be resolved.
SC	Yellow	<ul style="list-style-type: none"> • Overall facilities condition not up to standard. • Dedicated deferred maintenance program in place to improve facilities condition. • Annual maintenance and repair funding meets PBD directed level.
National Nuclear Security Administration		
NNSA	Yellow	<ul style="list-style-type: none"> • Overall facilities condition not up to standard. • Dedicated deferred maintenance program in place to improve facilities condition. • Annual maintenance and repair funding does not meet directed level of 2 to 4 percent. of replacement plant value.

ANALYTICAL SUMMARY FOR REAL PROPERTY:

Scoring for the third quarter is based on overall support of Departmental priorities for facilities asset management (facilities condition and funding level), as well as inventory data quality. All Programs should review their data to ensure that reported data is accurate. The Department is currently preparing its Three Year Rolling Timeline, to implement the goals and objectives of the Asset Management Plan. This document, when complete, will contain performance targets and actions that DOE must take as part of the President's Management Agenda. Program scores for future quarters will take these requirements into account.